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OW protein - protein search, using sw model

Run on: January 7, 2002, 15:40:13 ; Search time 154.28 Seconds
(without alignments)
22.086 Million cell updates/sec

Title: US-08-569-749-8

Perfect score: 267
Sequence: 1 LAKAGFYIGEDRVACFPAC.....MEPKDNMSBLHPPKCPF 46

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 522463 seqs, 74073290 residues

Total number of hits satisfying chosen parameters: 522463

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

A_Geneseq_1101:*

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22: /SID52/gcgdata/geneseq/geneseqp/AA2001.DAT:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	267	100.0	46	AAW13550	Human c-IAP2 repea
2	267	100.0	604	AAW19747	Human inhibitor of
3	267	100.0	604	AAW13546	Human c-IAP2. Hom
4	267	100.0	604	AAW52703	Human cellular inh
5	267	100.0	604	AAW33997	Human cellular inh
6	267	100.0	1141	AAW50694	Human APT-MT chi
7	264	98.9	604	AAW19582	Human apoptosis in
8	264	98.9	604	AAW69295	Human HIAP-1 prote
9	259	97.0	306	AAU02935	Angiotensin conver
10	248	92.9	46	AAW13548	Human c-IAP1 repea
11	248	92.9	438	AAW04583	Human inhibitor of

12	248	92.9	618	AAW19746	Human inhibitor of
13	248	92.9	618	AAW19583	Human apoptosis in
14	248	92.9	618	AAW13545	Human c-IAP1. Hom
15	248	92.9	618	AAW69296	Human HIAP-2 prote
16	248	92.9	618	AAW33998	Human cellular inh
17	247	92.5	612	AAW13555	Human c-IAP. Mus
18	247	92.5	612	AAW69299	Murine HIAP-2 prot
19	244	91.4	591	AAW19586	Murine apoptosis in
20	235	88.0	600	AAW59298	Mouse apoptosis in
21	235	88.0	602	AAW19745	Murine HIAP-1 prot
22	182	68.2	497	AAW19585	Mouse apoptosis in
23	182	68.2	497	AAW19581	Human apoptosis in
24	182	68.2	497	AAW69294	Human XIAP protein
25	182	68.2	497	AAW39985	Human X-linked inh
26	177	66.3	496	AAW19745	Mouse inhibitor of
27	177	66.3	496	AAW19584	Mouse apoptosis in
28	177	66.3	496	AAW69297	Murine XIAP protei
29	145	54.3	236	AAW81440	Human IAP (an inh
30	145	54.3	236	AAW69365	Human IAP-like pro
31	145	54.3	236	AAW69365	Chimpanzee IAP-lik
32	145	54.3	236	AAW69366	Drosophila inhibi
33	144	53.9	236	AAW69367	Gorilla IAP-like p
34	141	52.8	1232	AAW98217	Neuronal apoptosis
35	141	52.8	1295	AAW14080	Gonadotropin hormo
36	141	52.8	1295	AAW09540	Human apoptosis in
37	141	52.8	1403	AAW20032	Neuronal apoptosis
38	141	52.8	1403	AAW20033	Neuronal apoptosis
39	141	52.8	1403	AAW14079	Gonadotropin hormo
40	141	52.8	1403	AAW09539	Human apoptosis in
41	141	52.8	1403	AAW18053	Human c-IAP1 repea
42	131	49.1	48	AAW13551	Human XIAP protei
43	131	49.1	438	AAW8191	Drosophila mutant
44	129	48.3	434	AAW8195	Drosophila wild-ty
45	129	48.3	438	AAW8198	

ALIGNMENTS

AAW13550	1	AAW13550 standard; Protein: 46 AA.
ID	AAW13550	
XX	AAW13550;	
AC	AAW13550;	
XX		
DT	22-JUL-1997 (first entry)	
XX		
DE	Human c-IAP2 repeat 2.	
XX		
KM	IAP, inhibitor; apoptosis; RING finger domain; restinosis;	
KW	myocardial infarction; nephritis; HIV.	
XX		
OS	Homo sapiens.	
XX		
PN	W09706182-A1.	
XX		
PD	20-FEB-1997.	
XX		
PF	06-AUG-1996; 96WO-0512860.	
XX		
PR	08-DEC-1995; 95US-0569749.	
XX		
PR	08-AUG-1995; 95US-0512946.	
XX		
PI	(TULAR) TULARIK INC.	
XX		
PA	Goeddel DV, Rothe M;	
XX		
DB	WPI: 1997-154209/14.	
XX		
PT	Nucleic acids encoding cellular inhibitor of apoptosis proteins	
XX	useful for apoptosis regulation in cells to reduce or increase	
XX	apoptosis and for pharmacological screening	

RESULT 6
AAB50694 standard; Protein: 1141 AA.
ID AAB50694 standard; Protein: 1141 AA.
AC AAB50694;
DT 19-MAR-2001 (first entry)
DE Human API2-MIT chimeric protein sequence.
KW Human: API2-MIT chimera; chimeric; apoptosis inhibitor 2; MUR; API2; mucosa-associated lymphoid tissue lymphoma associated translocation; chromosome 11 region q21-q22.3; chromosome 18 region q21.1-22;
RV molecular characterisation: chromosome translocation; carcinogenesis; fusion protein; malignancy.
XX Chimeric - Homo sapiens.
CS Synthetic.
XX
PN HQ200073500-A1.
PD 07-DEC-2000.
XX
PF 26-MAY-2000; 2000WO-EP04796.
PR
XX 27-MAY-1999; 99EP-0201683.
PA (VLA-) VLAMS INTERNUNIVERSITAIR INST BIOTECHNOG.
XX
PI Baens M, Marynen P, Dierlamm J;
DR WPI: 2001-061556/07.
XX N-PSDB: AAC90972.
PT Determining if a tissue sample has a chromosome (11:18) translocation associated with malignancies by amplifying a nucleic acid sample using primers complementary to chromosome 11 region q21-q22.3 and chromosome 18 region q21.1-22 -
XX
XX Claim 12: Fig 5; 47pp: English.
XX The present invention describes a method for determining if a tissue sample comprises a cell with a chromosome (11:18) translocation associated with malignancies such as mucosa-associated lymphoid tissue (MALT) lymphomas. The method comprises subjecting a sample nucleic acid to amplification using primers complementary to sequences which are on chromosome 11 region q21-q22.3 and on chromosome 18 region q21.1-22. The method can be used for determining if a tissue sample or analogue comprises a chromosome (11:18) translocation associated with malignancies such as mucosa-associated lymphoid tissue lymphomas. The nucleic acid or southern blot cell DNAs or for in situ hybridisation for hybridisation to the antibody may be used as a probe for detection for hybridisation to determine the presence of complementary DNA. The present sequence represents the specifically claimed chimeric human apoptosis inhibitor 2 (API2)/MALT-lymphoma associated translocation (MUT) protein.
XX Sequence 1141 AA:
SQ

Query Match 100.0%; Score 267; DB 22; Length 1141;
Best Local Similarity 100.0%; Pred. No. 1,6e-25;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0.

1 LKAGFYIGPGDVCACFCAGKLSWBEKDANSEHLRFPKCP 46
|||||
189 lkgagfyiigpgdvcacfcagklswwbkdansehlrlfpcpf 234

RESULT 7
AAW19582 standard; Protein: 604 AA.
ID AAW19582

XX	AAW19582:
XX	02-SEP-1997 (first entry)
DE	Human apoptosis inhibitor HIAP-1.
XX	Apoptosis inhibitor: HIAP-1; HIV: AIDS: neurodegeneration;
KM	myelodysplastic syndrome; ischemia; myocardial infarction; stroke;
KM	reperfusion injury; toxin-induced liver disease; gene therapy;
diagnosis.	
OS	Homo sapiens.
XX	
FH	Key
FH	Domain
FH	/label= BIR-1
FH	169..235
FH	/label= BIR-2
FH	255..322
FH	/label= BIR-3
FH	546..591
FH	/label= Ring_zinc_finger
PN	M09706255-A2.
PD	20-FEB-1997.
XX	
PF	05-AUG-1996; 96MO-IB01022.
XX	
PR	22-DEC-1995; 95US-0576956.
PR	04-AUG-1995; 95US-0511485.
XX	
PA	(UYOR-) UNIV OTTAWA.
XX	
PI	Baird S, Korneluk RG, Liston P, Mackenzie AE:
DR	WPI: 1997-154262/14.
N-PSDB; AAT70837.	
PT	Nucleic acid encoding an inhibitor of apoptosis polypeptide - used
FT	to inhibit apoptosis in e.g. HIV or AIDS patients, and for detection
FT	of susceptibility to apoptotic disease
PS	ClaIm 27: Page 72-74; 219pp; English.
XX	
CC	Human XIAP, HIAP-1 and HIAP-2 and murine M-XIAP, M-HIAP-1 and
CC	M-HIAP-2 (AAW19581-86) are a new class of mammalian proteins that
CC	are inhibitors of apoptosis (IAP) and which are characterised by
CC	the presence of a ring zinc finger domain (see also AAW19587) and at
CC	least one BIR (baculovirus IAP repeat) domain (see also AAW19588).
CC	The HIAP amino acid sequences were deduced from cDNA clones (AAT70837
CC	and AAT70838) from a human liver library. IAP polypeptides can be
CC	expressed in host cells (in vitro or in vivo) and used in methods
CC	for treating diseases and disorders involving apoptosis, esp. in a
CC	human diagnosed as HIV-positive or as having AIDS, a
CC	neurodegenerative disease, a myelodysplastic syndrome or an
CC	ischemic injury, selected from myocardial infarction, stroke,
CC	reperfusion injury, or a toxin-induced liver disease.
XX	
SQ	Sequence 604 AA:
Query Match	98.9%; Score 264; DB: 18; Length 604;
Best Local Similarity	97.88; Pred No. 2e-25; 0; Indels 0; Gaps 0;
Matches 45; Conservative 1; Mismatches 0;	
OY	1 LAKAGYYIIGDGRVACFCACGKLSNWEKONAMSEHLRIHFPCRP 46
Db	189 IARGFYIIPGDTRVACFACGGKLSNWEKONAMSEHLRIHFPCRP 234

AAW69295
ID AAW69295 standard; Protein: 604 AA.
XX
XX AAW69295:
AC
XX
XX 13-NOV-1998 (first entry)
DT
XX
XX Human H1AP-1 protein.
DE
XX
XX Inhibitor of apoptosis protein; apoptosis enhancer; NALP polypeptide;
KW proliferative disease; IAP; therapy; cancer; human; H1AP-1 protein.
XX
XX
OS Homo sapiens.
XX
XX W09835693-A2.
FN
XX 20-AUG-1998.
PD
XX
XX 13-FEB-1998; 98MO-IB00781.
PE
XX
XX 13-FEB-1997; 97US-0800929.
PR
XX
XX (UYOT-) UNIV OTTAWA.
PA
XX
XX Baird S, Korneluk R, Liston P, Mackenzie AE, Pratt C;
PI Tsang B;
PI
XX
XX WPI: 1998-467164/40.
DR
XX
XX N-PSDB: AAV55039.
DR
XX
XX Inducing apoptosis in proliferative mammalian cells with inhibitor
PT of IAP or NALP polypeptide - also methods for prognosis based on
PT presence of IAP and NALP, specifically applied to cancers involving
PT p53 mutations
PT
XX
XX Disclosure: Fig 2; 147pp; English.
PS
XX
XX This sequence is the human H1AP-1 protein, which is a inhibitor of
CC apoptosis protein (IAP), and can be used in the method of the invention.
CC The method is for enhancing apoptosis in cells from a mammal with
CC proliferative disease by treatment with a compound that inhibits
CC biological activity of an IAP or NALP polypeptide. The inhibitory
CC compounds are used to treat proliferative diseases, specially cancers of
CC ovary, breast, pancreas, lymph nodes, skin, blood, lung, brain, kidney,
CC liver nasopharynx, thyroid, central nervous system, prostate, colon,
CC rectum, cervix or endometrium, particularly to increase their sensitivity
CC to chemotherapeutic agents. High levels of the IAP or NALP proteins are
CC detected in many cancers and are associated with poor prognosis,
CC resistance to chemotherapeutic agents and mutations in p53 (it is
CC suggested that wild-type p53 suppresses transcription of the IAP or NALP
CC genes). Transgenic animals are used for testing the effects of antisense
CC oligonucleotides and for screening for the inhibitors.
CC
XX
XX Sequence 604 AA:
SQ

Query Match 98.9%; Score 264; DB 19; Length 604;
Best Local Similarity 97.8%; Pred. No. 2e-25;
Matches 45; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 LAKAGFYTGPGDVRACFACGGKLSMWEKDNAMSEHNRHPKPCF 46
||:|||||
DB 189 laraqfyytspgdtrvacfaogklsnwekdnamsehlrhpncpf 234

RESULT 9
ID AAW02925 standard; Protein: 306 AA.
XX
XX AAW02925:
AC
XX
XX 12-SEP-2001 (first entry)
DT
XX

DE Angiotensin converting enzyme (ACEV) splice variant protein #25.
XX
XX Angiotensin converting enzyme splice variant; ACEV; Interleukin 6;
KW granulocyte colony stimulating factor receptor; glucagon; hypertrophy;
KW platelet-derived endothelial cell growth factor; cardiovascular disease;
KW cellular tumour antigen p53; cyclin-dependent kinase inhibitor 1C;
KW vasoactive intestinal polypeptide receptor 2; arteriosclerosis; cancer;
KW myocardial infarction; coronary arterial thrombosis; renal disease;
KW diabetic nephropathy; muscular disease; immune disorder; sarcoidosis;
KW multiple sclerosis; immune complex nephritis; deep vein thrombosis;
KW nonrheumatoid pulmonary granulomatous disease; endothelial abnormality;
KW vascular disorder; asbestosis.
XX
XX
OS Homo sapiens.
XX
XX W0200136632-A2.
FN
XX 25-MAY-2001.
PD
XX
XX 17-NOV-2000; 2000MO-IL00766.
PE
XX
XX 17-NOV-1999; 99IL-0132978.
PR
XX
XX 10-DEC-1999; 99IL-0133455.
PR
XX
XX (COMP-) COMPUGEN LTD.
PA
XX
XX Levine Z, David A, Azar I, Khosravi R, Bernstein J;
PI
PI
XX
XX WPI: 2001-336004/35.
DR
XX
XX N-PSDB: MAS06025.
DR
XX
XX Novel alternative splicing variants e.g. variant of angiotensin
PT converting enzyme (ACEV), useful in identifying candidate compounds
PT capable of binding to the variant and to detect anti-variant antibodies
PT
XX
XX
XX Claim 4; Fig 25; 519pp; English.
PS
XX
XX The sequence represents an angiotensin converting enzyme splice variant
CC (ACEV) polypeptide. The polypeptides of the invention include variants of
CC granulocyte colony stimulating factor receptor, glucagon, interleukin 6,
CC platelet-derived endothelial cell growth factor, cyclin-dependent kinase
CC inhibitor 1C, cellular tumour antigen p53, and vasoactive intestinal
CC polypeptide receptor 2. The polypeptides and their associated nucleic
CC acids are useful for identification of variant sequences and detection of
CC candidate compounds capable of binding the molecules. The sequences of
CC the invention can be used in the treatment and diagnosis of various
CC disorders including cardiovascular diseases such as arteriosclerosis,
CC myocardial infarction and coronary arterial thrombosis, renal diseases
CC such as diabetic nephropathy, muscular diseases such as hypertrophy,
CC immune disorders such as immune complex nephritis, multiple sclerosis,
CC cancer, sarcoidosis, nonrheumatoid pulmonary granulomatous diseases such
CC as asbestosis and vascular pathologies involving an endothelial
CC abnormality such as deep vein thrombosis.
CC
XX
XX Sequence 306 AA:
SQ

Query Match 97.0%; Score 259; DB 22; Length 306;
Best Local Similarity 95.7%; Pred. No. 4.3e-25;
Matches 44; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

OY 1 LAKAGFYTGPGDVRACFACGGKLSMWEKDNAMSEHNRHPKPCF 46
||:|||||
DB 204 laraqfyytspgdtrvacfaogklsnwekdnamsehlrhpncpf 249

RESULT 10
ID AAW13549 standard; Protein: 46 AA.
XX
XX AAW13549:
AC
XX
XX
DT
XX


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XX PF 20-DEC-1996; 96MO-AU00827.
XX PR 22-DEC-1995; 95AU-0002725.
XX PA (AMRA-) AMRAD OPERATIONS PTY LTD.
XX PI Vaux DL;
XX DR WPI: 1997-350966/32.
XX DR N-PSDB: AAT72711.
XX PT Isolated protein homologues of viral inhibitors of apoptosis - used
XX PT to modulate apoptosis for treatment of degenerative, infectious or
XX PT autoimmune diseases and cancer
XX PS Claim 8; Page 51-54; 136pp; English.
XX CC Mammalian IAP homologue B (MIBB) (AAW19746) is a human homologue of
XX CC baculovirus inhibitor of apoptosis protein (IAP). Its amino acid
XX CC sequence was deduced from a cDNA clone (see also AAT72711) isolated
XX CC from a human foetal liver cDNA library using primers based on
XX CC human EST sequences that resembled the BIR repeats of Oryza
XX CC pseudoscyta polyhedrosis virus IAP. IAP homologues (see also
XX CC AAW19745 and AAW19747-52) and their derivatives and chemical analogues
XX CC can be used in methods for modulating apoptosis in animal cells,
XX CC specifically for treatment, by inhibition, of degenerative and
XX CC infectious disease or, by promotion, of cancer and autoimmune
XX CC disease.
XX SQ Sequence 618 AA:

Query Match 92.9%; Score 248; DB 18; Length 618;
Best Local Similarity 91.3%; Pred. No. 2.3e-23;
Matches 42; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

OY 1 LKAGFYITGPDYACFACGKLSWEPKDNAMSEHLRHPKCP 46
DB 204 leraqfyy19pdrvacfcagklsnwepkddamsehrhpncl 249

RESULT 13
AAW19583
ID AAW19583 standard; Protein; 618 AA.
XX AC AAW19583;
XX DT 02-SEP-1997 (first entry)
XX DE Human apoptosis inhibitor HIAP-2.
XX KW Apoptosis inhibitor; HIAP-2; HIV; AIDS; neurodegeneration;
XX KW myelodysplastic syndrome; ischemia; myocardial infarction; stroke;
XX KW reperfusion injury; toxin-induced liver disease; gene therapy;
XX KW diagnosis.
XX OS Homo sapiens.
XX FA Key
XX FT Domain 46..113 Location/Qualifiers
XX FT Domain /label= BIR-1
XX FT Domain 184..250
XX FT Domain /label= BIR-2
XX FT Domain 269..336
XX FT Domain /label= BIR-3
XX FT Domain 560..605
XX FT Domain /label= Ring_zinc_finger
XX PN MO9706255-A2.
XX PD 20-FEB-1997.

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XX PF 05-AUG-1996; 96MO-IB01022.
XX PR 22-DEC-1995; 95US-0576956.
XX PR 04-AUG-1995; 95US-0511485.
XX PA (UYOT-) UNIV OTTAWA.
XX PI Baird S, Korneluk RG, Liston P, Mackenzie AE;
XX DR WPI: 1997-154262/14.
XX DR N-PSDB: AAT70838.
XX PT Nucleic acid encoding an inhibitor of apoptosis polypeptide - used
XX PT to inhibit apoptosis in e.g. HIV or AIDS patients, and for detection
XX PT of susceptibility to apoptotic disease
XX PS Claim 27; Page 75-77; 219pp; English.
XX CC Human XIAP, HIAP-1 and HIAP-2 and murine M-XIAP, M-HIAP-1 and
XX CC M-HIAP-2 (AAW19581-86) are a new class of mammalian proteins that
XX CC are inhibitors of apoptosis (IAP) and which are characterised by
XX CC the presence of a ring zinc finger domain (see also AAW19587) and at
XX CC least one BIR (baculovirus IAP repeat) domain (see also AAW19588).
XX CC The HIAP amino acid sequences were deduced from cDNA clones (AAT70837
XX CC and AAT70838) from a human liver library. IAP polypeptides can be
XX CC expressed in host cells (in vitro or in vivo) and used in methods
XX CC for treating diseases and disorders involving apoptosis, esp. in a
XX CC human diagnosed as HIV-positive or as having AIDS, a
XX CC neurodegenerative disease, a myelodysplastic syndrome or an
XX CC ischemic injury, selected from myocardial infarction, stroke,
XX CC reperfusion injury, or a toxin-induced liver disease.
XX SQ Sequence 618 AA:

Query Match 92.9%; Score 248; DB 18; Length 618;
Best Local Similarity 91.3%; Pred. No. 2.3e-23;
Matches 42; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

OY 1 LKAGFYITGPDYACFACGKLSWEPKDNAMSEHLRHPKCP 46
DB 204 leraqfyy19pdrvacfcagklsnwepkddamsehrhpncl 249

RESULT 14
AAW13545
ID AAW13545 standard; Protein; 618 AA.
XX AC AAW13545;
XX DT 22-JUL-1997 (first entry)
XX DE Human c-IAP1.
XX KW IAP; inhibitor; apoptosis; RING finger domain; restinosis;
XX KW myocardial infarction; nephritis; HIV.
XX OS Homo sapiens.
XX FA MO9706182-A1.
XX FT Domain 20-FEB-1997.
XX PF 06-AUG-1996; 96MO-US12860.
XX PR 08-DEC-1995; 95US-0569749.
XX PR 08-AUG-1995; 95US-0512946.
XX PA (TULA-) TULARIK INC.
XX PI Goeddel DV, Rothe M;
XX PD WPI: 1997-154209/14.

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DR N-PSDB: AAF61590.
 XX Nucleic acids encoding cellular inhibitor of apoptosis proteins
 PT useful for apoptosis regulation in cells to reduce or increase
 PT apoptosis and for pharmacological screening
 XX
 PS Disclosure: Page 18-20; 35pp; English.
 XX
 CC The human cellular inhibitor of apoptosis proteins (C-IAP)/2 -
 CC AAF61590/761591) comprise a series of defined structural domain
 CC repeats and/or 2 RING finger domain. In particular, at least two of
 CC a first domain repeat (AAW13547 or AAW13548), a second domain repeat
 CC (AAW13549 or AAW13550), and a third domain repeat (AAW13551 or AAW13552)
 CC and/or a RING finger domain (AAW13553 or AAW13554), or a consensus
 CC sequences derived from these human genes.
 CC The nucleic acid is used for recombinant prodn. of human cellular
 CC inhibitor of apoptosis protein which modulates apoptosis
 CC regulation. The nucleic acids are useful in therapies where
 CC increased cell-specific apoptosis is desired, e.g. in restinosis,
 CC inflammatory disease states, myocardial infarction, glomerular
 CC nephritis, transplant rejection and infectious diseases, e.g. HIV.
 CC They can also be used in conditions requiring a reduction in
 CC apoptosis.
 CC
 SQ Sequence 618 AA:
 Query Match 92.9%; Score 248; DB 18; Length 618;
 Best Local Similarity 91.3%; Pred. No. 2.3e-23;
 Matches 42; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
 OY 1 LAKAGFYIIGPGRVACFACGKLSNMEPRDNAMSEHLRHPKCP 46
 DB 204 Iaragfyyigpgrvactacgklsnwepkddamsehrthfncpf 249
 ||:|||||
 RESULT 15
 AAW69296
 ID AAW69296 standard; Protein: 618 AA.
 XX
 AC AAW69296;
 XX
 DT 13-NOV-1998 (first entry)
 XX
 DE Human HIAP-2 protein.
 XX
 KW Inhibitor of apoptosis protein; apoptosis enhancer; NAIP polypeptide;
 KW proliferative disease; IAP; therapy; cancer; human; HIAP-2 protein.
 XX
 OS Homo sapiens.
 XX
 OS W09835693-A2.
 XX
 PN 20-AUG-1998.
 XX
 PD 13-FEB-1998; 98WO-1B00781.
 XX
 PE 13-FEB-1997; 97US-0800929.
 XX
 PR 13-FEB-1997; 97US-0800929.
 XX
 PA (UYOT-) UNIV OTTAWA.
 XX
 PI Baird S, Korneluk R, Liston P, Mackenzie AE, Pratt C;
 PI Tsang B;
 XX
 DR WPI: 1998-467164/40.
 DR N-PSDB: AAW55040.
 XX
 XX Inducing apoptosis in proliferative mammalian cells with inhibitor
 PT of IAP or NAIP polypeptide - also methods for prognosis based on
 PT presence of IAP and NAIP, specifically applied to cancers involving
 PT p53 mutations
 XX
 XX Disclosure; Fig 3; 147pp; English.

XX This sequence is the human HIAP-2 protein, which is a inhibitor of
 CC apoptosis protein (IAP), and can be used in the method of the invention.
 CC The method is for enhancing apoptosis in cells from a mammal with
 CC proliferative disease by treatment with a compound that inhibits
 CC biological activity of an IAP or NAIP polypeptide. The inhibitors
 CC compounds are used to treat proliferative diseases, specially cancers of
 CC ovary, breast, pancreas, lymph nodes, skin, blood, lung, brain, kidney,
 CC rectum, cervix or endometrium, particularly to increase their sensitivity
 CC to chemotherapeutic agents. High levels of the IAP or NAIP proteins are
 CC detected in many cancers and are associated with poor prognosis.
 CC resistance to chemotherapeutic agents and mutations in p53 (it is
 CC suggested that wild-type p53 suppresses transcription of the IAP or NAIP
 CC genes). Transgenic animals are used for testing the effects of antisense
 CC oligonucleotides and for screening for the inhibitors.
 XX
 SQ Sequence 618 AA:
 Query Match 92.9%; Score 248; DB 19; Length 618;
 Best Local Similarity 91.3%; Pred. No. 2.3e-23;
 Matches 42; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
 OY 1 LAKAGFYIIGPGRVACFACGKLSNMEPRDNAMSEHLRHPKCP 46
 DB 204 Iaragfyyigpgrvactacgklsnwepkddamsehrthfncpf 249
 ||:|||||

Search completed: January 7, 2002, 15:40:13
 Job time: 172 sec

Tue Jan 8 08:23:48 2002

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